

# Prof. MEHMET CENKCI

## Personal Information

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## International Researcher IDs

ORCID: 0000-0002-2867-3448

Publons / Web Of Science ResearcherID: C-4607-2016

Yoksis Researcher ID: 25682

## Education Information

Post Doctorate, Bursa Uludağ University, Turkey 2007 - 2007

Doctorate, Akdeniz University, Turkey 2001 - 2006

Postgraduate, Akdeniz University, Turkey 1999 - 2001

Undergraduate, Marmara University, Ataturk Faculty Of Education, Mathematics And Science Education, Turkey 1994 - 1999

## Foreign Languages

English, B2 Upper Intermediate

German, A1 Beginner

## Dissertations

Doctorate, Two-Variable p-adic q-L-Function, Akdeniz University, Institute of Science, 2006

Postgraduate, Generalized Dedekind Sums and Bernoulli Polynomials, Akdeniz University, Institute of Science, 2001

## Research Areas

Mathematics, Functions of a Complex Variable, Combinatorics, Special Functions, Number Theory, Natural Sciences

## Academic Titles / Tasks

Professor, Akdeniz University, Faculty of Science, Department of Mathematics, 2017 - Continues

Associate Professor, Akdeniz University, Faculty of Science, Department of Mathematics, 2011 - 2017

Assistant Professor, Akdeniz University, Faculty of Science, Department of Mathematics, 2009 - 2011

Research Assistant, Akdeniz University, Faculty of Science, Department of Mathematics, 2000 - 2006

## Academic and Administrative Experience

Deputy Head of Department, Akdeniz University, Faculty Of Science, Department of Mathematics, 2009 - 2017

## Courses

Analysis II, Undergraduate, 2022 - 2023, 2012 - 2013  
Analysis I, Undergraduate, 2022 - 2023, 2012 - 2013  
Special Functions II, Postgraduate, 2018 - 2019  
Advanced Complex Analysis II, Postgraduate, 2018 - 2019  
Special Functions I, Postgraduate, 2018 - 2019  
Introduction to Probability Theory, Undergraduate, 2018 - 2019  
Advanced Number Theory II, Postgraduate, 2017 - 2018  
Mathematics for Computer Science, Postgraduate, 2018 - 2019, 2016 - 2017  
Advanced Complex Analysis I, Postgraduate, 2018 - 2019  
Mathematics II, Undergraduate, 2016 - 2017  
Advanced Number Theory I, Postgraduate, 2017 - 2018  
Mathematics I, Undergraduate, 2016 - 2017  
Introduction to Analytic Number Theory, Doctorate, 2013 - 2014  
Modular and Automorphic Forms I, Doctorate, 2013 - 2014  
Probability and Measure Theory I, Postgraduate, 2011 - 2012

## Advising Theses

Can M., Sums of Powers and Generating Functions, Postgraduate, M.MUTLUER(Student), 2021  
Can M., Some Congruences Involving the Partition Function, Postgraduate, M.Cicimen(Student), 2021  
Can M., Two-Variable Zeta and L-Functions, Doctorate, A.Ünal(Student), 2019  
Can M., Some Arithmetic Properties of q-Fibonacci Numbers, Postgraduate, P.Aytaç(Student), 2018  
Can M., p-adic Hurwitz-Lerch L-Function, Doctorate, S.Selen(Student), 2015  
Can M., Hypergeometric Functions and Lucas Sequences, Postgraduate, A.Ünal(Student), 2013  
Can M., Some Properties of Hypergeometric Bernoulli Polynomials, Postgraduate, R.Nergiz(Student), 2011

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Generalizations of the Euler-Mascheroni constant associated with the hyperharmonic numbers**  
Can M., Dil A., Kargin L., Cenkci M., Güloğlu M.  
JOURNAL OF THE RAMANUJAN MATHEMATICAL SOCIETY, vol.39, no.2, pp.1-19, 2024 (SCI-Expanded)
- II. **Recurrences and congruences for higher order geometric polynomials and related numbers**  
Kargin L., Cenkci M.  
UKRAINIAN MATHEMATICAL JOURNAL, vol.73, no.12, pp.1873-1894, 2022 (SCI-Expanded)
- III. **Generalized harmonic numbers via poly-Bernoulli polynomials**  
Kargin L., Cenkci M., Dil A., Can M.  
Publicationes Mathematicae, vol.100, no.3-4, pp.365-386, 2022 (SCI-Expanded)
- IV. **On Evaluations of Euler-Type Sums of Hyperharmonic Numbers**  
Kargin L., Can M., Dil A., Cenkci M.  
Bulletin of the Malaysian Mathematical Sciences Society, vol.45, no.1, pp.113-131, 2022 (SCI-Expanded)
- V. **A two-variable dirichlet series and its applications**  
Cenkci M., Unal A.  
QUAESTIONES MATHEMATICAE, vol.44, no.12, pp.1661-1679, 2021 (SCI-Expanded)
- VI. **A construction of p-adic Hurwitz-Lerch L-function**

Ozbek S. S., CENKÇI M.

ABHANDLUNGEN AUS DEM MATHEMATISCHEN SEMINAR DER UNIVERSITÄT HAMBURG, vol.90, no.1, pp.85-98, 2020 (SCI-Expanded)

VII. **Evaluation of Euler-like sums via Hurwitz zeta values**

DİL A., Mezo I., CENKÇI M.

TURKISH JOURNAL OF MATHEMATICS, vol.41, no.6, pp.1640-1655, 2017 (SCI-Expanded)

VIII. **Poly-Bernoulli numbers and polynomials with a q parameter**

CENKÇI M., Komatsu T.

JOURNAL OF NUMBER THEORY, vol.152, pp.38-54, 2015 (SCI-Expanded)

IX. **A Symmetry Relation For Generalized Potential Polynomials and its Applications**

Cenkci M.

UTILITAS MATHEMATICA, vol.91, pp.163-183, 2013 (SCI-Expanded)

X. **A NEW APPROACH TO q-GENOCCHI NUMBERS AND POLYNOMIALS**

Kurt V., CENKÇI M.

BULLETIN OF THE KOREAN MATHEMATICAL SOCIETY, vol.47, no.3, pp.575-583, 2010 (SCI-Expanded)

XI. **An explicit formula for generalized potential polynomials and its applications**

Cenkci M.

DISCRETE MATHEMATICS, vol.309, no.6, pp.1498-1510, 2009 (SCI-Expanded)

XII. **Multiple Two-Variable p-Adic q-L-Function and Its Behavior at  $s=0$**

CENKÇI M., ŞİMŞEK Y., Kurt V.

RUSSIAN JOURNAL OF MATHEMATICAL PHYSICS, vol.15, no.4, pp.447-459, 2008 (SCI-Expanded)

XIII. **On (i, q) Bernoulli and Euler numbers**

CENKÇI M., Kurt V., Rim S. H., ŞİMŞEK Y.

APPLIED MATHEMATICS LETTERS, vol.21, no.7, pp.706-711, 2008 (SCI-Expanded)

XIV. **Congruences for generalized q-Bernoulli polynomials**

CENKÇI M., Kurt V.

JOURNAL OF INEQUALITIES AND APPLICATIONS, vol.2008, 2008 (SCI-Expanded)

XV. **Comparison of glomerular filtration rate measurements with the two plasma sample and single plasma sample, gamma camera Gates, creatinine clearance, and prediction equation methods in potential kidney donors with normal renal function**

AYDIN F., GUNGOR F., CENGİZ A. K., TUNCER M., MAHSERECİ E., OZDEM S., CENKÇI M., Karayalcin B.

NUCLEAR MEDICINE COMMUNICATIONS, vol.29, no.2, pp.157-165, 2008 (SCI-Expanded)

XVI. **Notes on degenerate numbers**

Cenkci M., Howard F. T.

DISCRETE MATHEMATICS, vol.307, no.19-20, pp.2359-2375, 2007 (SCI-Expanded)

XVII. **Degenerate and character Dedekind sums**

Cenkci M., Can M., Kurt V.

JOURNAL OF NUMBER THEORY, vol.124, no.2, pp.346-363, 2007 (SCI-Expanded)

XVIII. **q-extensions of Genocchi numbers**

Cenkci M., Can M., Kurt V.

JOURNAL OF THE KOREAN MATHEMATICAL SOCIETY, vol.43, no.1, pp.183-198, 2006 (SCI-Expanded)

## Articles Published in Other Journals

I. **Generalizations of poly-Bernoulli and poly-Cauchy numbers**

CENKÇI M., Young P. T.

EUROPEAN JOURNAL OF MATHEMATICS, vol.1, no.4, pp.799-828, 2015 (ESCI)

II. **On p-adic Character Dedekind Sums**

CENKÇI M.

Palestine Journal of Mathematics, vol.4, no.Spec.1, pp.502-507, 2015 (Scopus)

- III. **Twisted Dedekind type sums associated with Barnes type multiple Frobenius Euler l Functions**  
CAN M., CENKÇİ M., KURT V., ŞİMŞEK Y.  
Advanc. stud. Contemp. Math., vol.18, no.2, pp.135-160, 2009 (Scopus)
- IV. **Twisted Dedekind type sums associated with Barnes' type multiple Frobenius-Euler numbers**  
KURT V., CENKÇİ M., CAN M.  
Adv. Stud. Contemp. Math., vol.18, no.2, pp.135-160, 2009 (Scopus)
- V. **The p-adic generalized twisted (h; q)-Euler-l-function and its applications**  
CENKÇİ M.  
Advanced Studies in Contemporary Mathematics, vol.15, pp.37-47, 2007 (Scopus)
- VI. **Algorithms for Bernoulli and allied polynomials**  
DİL A., KURT V., CENKÇİ M.  
JOURNAL OF INTEGER SEQUENCES, vol.07.5.4, pp.1-18, 2007 (Scopus)
- VII. **Further remarks on multiple p-adic q-L-function of two variables**  
CENKÇİ M., ŞİMŞEK Y., KURT V.  
Adv. Stud. Contemp. Math., no.14, pp.49-68, 2007 (Scopus)
- VIII. **Some results on q analogue of the Lerch zeta function**  
CENKÇİ M., CAN M.  
Advanced Studies in Contemporary Mathematics, vol.12, pp.213-223, 2006 (Scopus)
- IX. **Generalized Hardy Berndt sums**  
CAN M., CENKÇİ M., KURT V.  
Proceedings of the Jangjeon Mathematical Society, vol.9, pp.19-38, 2006 (Scopus)
- X. **Strong versions of Kummer-type congruences for Genocchi numbers and polynomials and tangent coefficients**  
CENKÇİ M.  
Acta Mathematica Universitatis Ostraviensis, vol.13, pp.3-11, 2005 (Scopus)
- XI. **A recurrence relation for Bernoulli numbers**  
Can M., Cenkci M., Kurt V.  
BULLETIN OF THE KOREAN MATHEMATICAL SOCIETY, vol.42, pp.617-622, 2005 (ESCI)
- XII. **p-adic interpolation functions and Kummer type congruences for q-twisted and q-generalized twisted Euler numbers**  
Cenkci M., Can M., Kurt V.  
Advanced Studies in Contemporary Mathematics, vol.9, pp.203-216, 2004 (Scopus)

### Refereed Congress / Symposium Publications in Proceedings

- I. **Comparison of the methods in the determination of glomerular filtration rate: Two plasma sample, single plasma sample, gamma camera-Gates, and creatinine clearance methods**  
AYDIN F., CENGİZ A., GÜNGÖR A. F., MAHSERECİ E., TUNCER M., CENKÇİ M.  
Annual Congress of the European Association of Nuclear Medicine, Atina, Greece, 30 September - 04 October 2006, vol.33, pp.113
- II. **Pediatric olgularda glomerüler filtrasyon hızı ölçümünde çift kan örnek DTPA ve sistatin C arasındaki korelasyon**  
CENGİZ A., AYDIN F., GÜNGÖR A. F., GUNGOR O., HAZAR V., CENKÇİ M.  
7th International Congress of Nuclear Oncology and 18th National Congress of Turkish Society of Nuclear Medicine, Antalya, Turkey, 13 - 17 May 2006, vol.15, pp.16-17
- III. **Glomerüler filtrasyon hızı ölçümünde çift kan örnek yöntemi ile tek kan örnek, kamera-gates, kreatinin klirens yöntemlerinin karşılaştırılması.**  
AYDIN F., CENGİZ A., GÜNGÖR A. F., MAHSERECİ E., TUNCER M., CENKÇİ M.  
7th International Congress of Nuclear Oncology and 18th National Congress of Turkish Society of Nuclear Medicine, Antalya, Turkey, 13 - 17 May 2006, vol.15, pp.16

- IV. **Comparison of glomerular filtration rate measurements with two plasma sample and single plasma sample, gates method, creatinine clearance methods**  
CENGİZ A., AYDIN F., GÜNGÖR A. F., TUNCER M., MAHSERECİ E., BOZ A., YIDIZ A., YAVUZ A., CENKÇİ M.  
Annual Congress of the European Association of Nuclear Medicine, İstanbul, Turkey, 15 - 19 October 2005, vol.32, pp.224
- V. **Recurrence relation for Euler numbers and some identities for Norlund and Bernoulli numbers of the second kind**  
CENKÇİ M.  
15. Ulusal Matematik Sempozyumu, Mersin, Turkey, 1 - 04 June 2004, pp.32-41

## Supported Projects

- CENKÇİ M., Ünal A., Project Supported by Higher Education Institutions, İki Değişkenli Zeta ve L-Fonksiyonları, 2018 - 2020  
CENKÇİ M., Project Supported by Higher Education Institutions, q-Fibonacci Sayılarının Bazı Aritmetik Özellikleri, 2018 - 2019

## Memberships / Tasks in Scientific Organizations

American Mathematical Society, Member, 2008 - Continues

## Scientific Refereeing

Turkish Journal of Mathematics, SCI Journal, October 2016  
Publicationes Mathematicae Debrecen, SCI Journal, May 2015  
Monatshefte für Mathematik, SCI Journal, September 2014  
Advances in Difference Equations, SCI Journal, December 2012  
Computers and Mathematics with Applications, SCI Journal, June 2011  
Computers and Mathematics with Applications, SCI Journal, January 2010  
Acta Mathematica Sinica, English Series, SCI Journal, November 2008  
Utilitas Mathematica, SCI Journal, October 2008  
Discrete Mathematics, SCI Journal, February 2008

## Metrics

Publication: 38  
Citation (WoS): 190  
Citation (Scopus): 528  
H-Index (WoS): 9  
H-Index (Scopus): 13

## Congress and Symposium Activities

31st Journées Arithmétiques, Attendee, İstanbul, Turkey, 2019  
International Conference on Number Theory dedicated to the 70th birthdays of Professors Antanas Laurincikas and Eugenijus Manstavicius, Attendee, Plunge, Lithuania, 2018  
7th International Eurasian Conference on Mathematical Sciences and Applications (IECMSA-2018), Attendee, Kyiv,

Ukraine, 2018

23rd Czech and Slovak International Conference on Number Theory, Attendee, Ostrava, Czech Republic, 2017

30th Journées Arithmétiques, Attendee, Caen, France, 2017

The Sixth International Conference Analytic and Probabilistic Methods in Number Theory, Attendee, Palanga, Lithuania, 2016

29. Ulusal Matematik Sempozyumu, Attendee, Mersin, Turkey, 2016

Seventeenth International Conference on Fibonacci Numbers and Their Applications, Attendee, Caen, France, 2016

Oberseminar ZAHLENTHEORIE, Attendee, Würzburg, Germany, 2016

28. Ulusal Matematik Sempozyumu, Attendee, Antalya, Turkey, 2015

TMD 2015 Lisans ve Lisansüstü Yaz Okulu, Diferansiyel Denklemler, Attendee, Şirince, İzmir, Turkey, 2015

29th Journées Arithmétiques, Attendee, Debrecen, Hungary, 2015

TMD 2014 Lisans ve Lisansüstü Yaz Okulu, Modular Functions, Attendee, Şirince, İzmir, Turkey, 2014

International Conference on Algebra and Number Theory, Attendee, Samsun, Turkey, 2014

ELAZ2014, Attendee, Hildesheim, Germany, 2014

26. Ulusal Matematik Sempozyumu, Attendee, Diyarbakır, Turkey, 2013

28th Journées Arithmétiques, Attendee, Grenoble, France, 2013

ELAZ2012, Attendee, Schney, Germany, 2012

15th International Conference on Fibonacci Numbers and Their Applications, Attendee, Eger, Hungary, 2012

Workshop on Analytic Number Theory, Attendee, İstanbul, Turkey, 2010

20th International Conference of Jangjeon Mathematical Society,, Attendee, Bursa, Turkey, 2008

17th Czech and Slovak International Conference on Number Theory, Attendee, Malenovice, Czech Republic, 2005

16th International Conference of Jangjeon Mathematical Society, Attendee, Antalya, Turkey, 2005

15. Ulusal Matematik Sempozyumu, Attendee, Mersin, Turkey, 2002

14. Ulusal Matematik Sempozyumu, Attendee, Eskişehir, Turkey, 2001

## Scholarships

Yurtiçi Doktora Sonrası Araştırma Bursu, TÜBİTAK, 2007 - Continues